

# Installation Guide

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## 1. Accessories

Please check the following included accessories before installation:

AC cable	one pcs	Monitor Base	one pcs
Remote Control	one pcs	Installation Guide	one pcs

## 2. Installation

### Rear Interface



### Side Interface



Pull to open rear cover for BNC and Audio In/Out as highlighted area.

## 3. Connecting the Monitor Cables to Your Video Source

Make all cable connections are secure by tightening the cable screws. Shaking and vibration may dislodge cables that are improperly connected. Route all wiring and cabling away from heat sources, sharp metal edges, and any sources of electromagnetic and radio frequency interference.

## 4. Testing the Monitor

After making all connections secure and tight, turn on the power switch located on the side bezel.

1. Turn on your computer.
2. Ensure the front LED is green.
3. Make sure the video image is centered within the screen area. Use the monitor controls to adjust the image, if necessary. Perform an Auto Config first, then if you wish you can adjust the horizontal and vertical position, contrast, and brightness to better suit your video card and your personal preference. Refer to Basic OSD setup for more information on using the on-screen menu to adjust the video display.

## 5. Controls & Functions

### Buttons on the right side of the Bezel

If you cannot locate your remote, you can use the side panel buttons of your monitor to operate many of the monitor's features.

1. **POWER:** Turns the monitor on or off.
2. **SOURCE:** Accesses the available video input signals (AV, BNC, SVIDEO, VGA, HDMI)
3. **MENU:** Brings up the MONITOR Main menu. When using the OSD (On Screen Display) system, press MENU button to return to the previous menu or exit.
4. **△** : Up arrow button.
5. **▽** : Down arrow button.
6. **+** : Increases the volume. In the MONITOR menu system, acts like the right arrow button on the remote control and adjusts menu controls.
7. **-** : Decreases the volume. In the MONITOR menu system, acts like the left arrow button on the remote control and adjusts menu controls.

### HOW to use buttons

Use the buttons on the right side control panel to adjust the OSD

- (1) Power on the LCD monitor.
- (2) Press source button to accesses the available video input signals, press + or — button to enter the video mode.
- (3) Press MENU button then press + / — button move highlight icon left / right.
- (4) Press SOURCE button to enter the submenu, then press + / — button corresponding to edit.
- (5) When you are satisfied with the setting, press MENU button to return to the previous menu or exit.

6. Choose the Input Source

Press Source button on the monitor or remote control, and the source menu appears on the screen. Then press Up/Down arrow button to select your video source, and press menu to exit.

**AV:** the input source from AV or video camera terminal input.

**BNC:** the input source from BNC terminal input.

**S-Video:** the input source from S-Video terminal input.

**VGA:** the input source from VGA terminal input.

**HDMI:** the input source from HDMI in terminal input.

7. Mounting Your MONITOR to the Wall

**CAUTION:** The wall mount must bear a minimum of five times the monitor's net weight without causing damage. To mount your MONITOR to the wall, you need to purchase a VESA wall mount. For models 17inch and 19inch, purchase a VESA 75 x 75, KM 4 x 8mm (75 x 75, for example, it means the mounting measurements are 75mm horizontally and 75mm vertically; Metric (M4 x 8 mm) is screw type that needs to be used).

1. You need to remove the base first before attaching the wall mount.

    A. Place the MONITOR to face down on a surface that is soft, yet strong enough to hold the MONITOR.

    B. Remove the screws from the four holes on each side of the bottom of the MONITOR's base (only use with base).


2. Follow the directions included with the wall mount to mount the monitor to the wall.

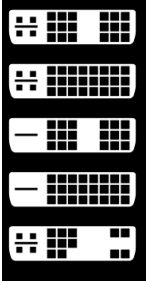







8. Specification		
Model	19inch	17inch
Resolution	1280 x 1024 (SXGA)	
Viewing lines	>500 lines (TVL)	
Pixel pitch	0.294mm	0.264mm
Brightness	300 cd/m2	
Contrast ratio	800:1	
Response time	5ms	
Viewing Angles	170/170	
3D Comb filter	Yes	
De-interlace	Yes	
OSD	2 out of 9 Language options	
Display colors	16.7 Million	
Speakers	2 each (3 watts)	
Video Inputs	HDMI, VGA, BNC, S-Video, RCA	
Video Outputs	BNC (1 each)	
Audio Inputs	RCA, PC	
Audio Outputs	RCA	
Mounting	75mm VESA	
Power Input	AC100-240V 60/50Hz	
Power Use	<45W, <2W (standby)	
Desk Stand	Removable-Metal	
Options	Rack and wall mounts	
Accessories	VGA cord, PC audio cord	
Packaging	580 x 515 x 165	518 x 465 x 165
Weight	7 kg net (9 kg in carton)	6 kg net (7.5 kg in carton)
Operating temp	5-40°C	
Safety	UL, CE, FCC, CB	

9. Reference

Connector Benefits and Limitations

High resolution LCD monitors are capable of displaying very detailed images. However, the type of input signal being used plays a large role in determining the quality of the image displayed. This guide lists common connectors used for various signal types and lists them in overall decreasing picture quality. Most LCD monitors have multiple inputs but only the digital signals/inputs are capable of providing pixel-by-pixel matching. Pixel matching allows the optimal possible picture by matching the native resolution of the LCD panel to the incoming digital signal. When possible, always use a digital signal instead of an analog signal. If an analog signal is required, always use the best possible analog signal/connector type (listed in this guide in descending order).

Connector Type	Benefits	Drawbacks
<div><b>HDMI</b></div> <div>High Definition Multimedia Interface</div> <div></div>	<ul style="list-style-type: none"><li>Digital</li><li>Highest bandwidth of any current connector (10.2 Gigabit/sec at 340 Megapixels/sec)</li><li>Highest resolution (2560 x1600) from a single cable</li><li>Allows DRM (Digital Rights Management)</li><li>Partly compatible with DVI (but with DVI no audio is included)</li><li>Small footprint</li><li>Audio included</li></ul>	<ul style="list-style-type: none"><li>No method for locking connector onto the input (unlike DVI or BNC)</li><li>Limited to cable length of 8 meters unless a repeater or amplifier is used</li><li>No analog signal carried simultaneously (unlike DVI-I)</li><li>Fragile connector that can slip free in vertical orientations or vibrating environments.</li><li>Locks out most monitor</li></ul>

		adjustments that are possible with analog VGA
<b>DVI-Digital Video Interface</b> Top to bottom DVI connectors: DVI-I, DVI-I dual link, DVI-D, DVI-D dual link, DVI-A  	<ul style="list-style-type: none"> <li>• Digital</li> <li>• 1920 x 1200 resolution supported on single cable</li> <li>• Highest resolution (2560 x 1600) possible with dual link cables</li> <li>• Partially compatible with HDMI (but with DVI no audio is included)</li> <li>• Can carry analog and digital signals at the same time on DVI-I</li> <li>• Allows locking of the connector onto the input (unlike HDMI)</li> </ul>	<ul style="list-style-type: none"> <li>• No DRM possible</li> <li>• Locks out most monitor adjustments that are possible with analog VGA</li> <li>• Limited to cable length of 4.6 meters</li> <li>• Large connector footprint</li> <li>• No audio included</li> </ul>
<b>ANALOG VGA Video (also known as RGB, D-sub15)</b> 	<ul style="list-style-type: none"> <li>• Red, Green, Blue colors and synchronizing signals are separated and do not interfere with each other as in composite video</li> <li>• Multiple resolutions supported</li> <li>• Locking connector is available</li> </ul>	<ul style="list-style-type: none"> <li>• Analog (noise prone)</li> <li>• No DRM possible</li> <li>• No audio included</li> </ul>
<b>ANALOG Component Video</b>  	<ul style="list-style-type: none"> <li>• Red, Green, Blue colors are separated and do not interfere with each other as in composite video signals</li> <li>• Up to 1920 x 1080p resolution supported</li> <li>• Locking BNC connectors are available</li> </ul>	<ul style="list-style-type: none"> <li>• Analog (noise prone)</li> <li>• No DRM possible</li> <li>• No audio included</li> </ul>
<b>ANALOG S-Video</b> 	<ul style="list-style-type: none"> <li>• Color (chroma) and brightness (luma) signals are separated and do not interfere with each other as in composite video</li> </ul>	<ul style="list-style-type: none"> <li>• Analog (noise prone)</li> <li>• Cannot support high definition signals</li> <li>• No DRM possible</li> <li>• Fragile connectors</li> <li>• No audio included</li> </ul>
<b>ANALOG Composite Video (also known as CVBS)</b>  	<ul style="list-style-type: none"> <li>• Common standard for NTSC, PAL, and SECAM video</li> <li>• Most common signal type for video</li> </ul>	<ul style="list-style-type: none"> <li>• Analog (noise prone from chrominance and luminance signal interference)</li> <li>• Cannot support high definition signals</li> <li>• No DRM possible</li> <li>• No audio included</li> </ul>